



Receipt

2100

**FILE COPY**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor : Masami KANASUGI, et al.  
Serial No : 09/928,803  
Filed : August 13, 2001  
Title : FIR FILTER, METHOD OF OPERATING THE....

COPY OF PAPERS  
ORIGINALLY FILED

May 31, 2002

Attn: Customer Corrections Division  
Assistant Commissioner for Patents  
Washington, D.C. 20231

2121  
**RECEIVED**  
JUL 22 2002  
Technology Center 2100

**REQUEST FOR CORRECTED FILING RECEIPT**

SIR:

We received the **Filing Receipt** on the above-referenced case, copy enclosed, wherein the **PTO** incorrectly listed the **FOREIGN APPLICATION DATA** as **JAPAN 2000-371058 06/12/2000**. Please change the same to read: **JAPAN 2000-371058 12/06/2000**.

We enclose a copy of the declaration to show the correct Foreign Application Data.

Any fee, due as a result of this paper may be charged on Deposit Account No. 50-1290.

Respectfully submitted,

Brian S. Myers  
Reg. No. 46,947

Katten Muchin Zavis Rosenman  
575 Madison Avenue 15<sup>th</sup> Floor  
New York, New York 10022-2585  
(212) 940-8800  
Docket No.: FUJX 18.900



JUN 07 2002

## UNITED STATES PATENT AND TRADEMARK OFFICE

Page 1 of 2 #5  
7-3-02COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/928,803	08/13/2001	2121	1484	FUJX 18.900	13	23	12

CONFIRMATION NO. 8228

026304  
ROSENMAN & COLIN LLP  
575 MADISON AVENUE  
NEW YORK, NY 10022-2585COPY OF PAPERS  
ORIGINALLY FILED

CORRECTED FILING RECEIPT



\*OC000000007403064\*

Date Mailed: 01/31/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Masami Kanasugi, Kawasaki, JAPAN;  
Shoji Taniguchi, Kawasaki, JAPAN;  
Koichi Kuroiwa, Kawasaki, JAPAN;  
Mahiro Hikita, Kawasaki, JAPAN;

RECEIVED

JUN 26 2002

Technology Center 2100

Domestic Priority data as claimed by applicant

## Foreign Applications

JAPAN 2000-371058 ~~06/12/2000~~ 12/6/2000

If Required, Foreign Filing License Granted 09/19/2001

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

## Title

Fir filter, method of operating the same, semiconductor integrated circuit including fir filter, and communication system for transmitting data filtered by fir filter

Preliminary Class

708

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



Bib Data Sheet

**FILE COPY**

CONFIRMATION NO. 8228

<b>SERIAL NUMBER</b> 09/928,803	<b>FILING DATE</b> 08/13/2001 <b>RULE</b>	<b>CLASS</b> 708	<b>GROUP ART UNIT</b> 2121	<b>ATTORNEY DOCKET NO.</b> FUJX 18.900
<b>APPLICANTS</b> Masami Kanasugi, Kawasaki, JAPAN; Shoji Taniguchi, Kawasaki, JAPAN; Koichi Kuroiwa, Kawasaki, JAPAN; Mahiro Hikita, Kawasaki, JAPAN;				
<b>** CONTINUING DATA *****</b>  <b>** FOREIGN APPLICATIONS *****</b> JAPAN 2000-371058 12/06/2000				
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> <b>** 09/19/2001</b>				
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance Verified and Acknowledged Examiner's Signature _____ Initials _____		<b>STATE OR COUNTRY</b> JAPAN	<b>SHEETS DRAWING</b> 13	<b>TOTAL CLAIMS</b> 23
<b>INDEPENDENT CLAIMS</b> 12				
<b>ADDRESS</b> 026304				
<b>TITLE</b> Fir filter, method of operating the same, semiconductor integrated circuit including fir filter, and communication system for transmitting data filtered by fir filter				
<b>FILING FEE RECEIVED</b> 1484	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

COPY OF PAPERS  
ORIGINALLY FILED



PTO/SB/106 (8-96)  
Approved for use through 9/30/98. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

RECEIVED

JUN 26 2002

Technology Center 2100

下記の氏名を発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FIR FILTER, METHOD OF OPERATING THE SAME,  
SEMICONDUCTOR INTEGRATED CIRCUIT INCLUDING  
FIR FILTER, AND COMMUNICATION SYSTEM FOR  
TRANSMITTING DATA FILTERED BY FIR FILTER

上記発明の明細書（下記の欄でx印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米国出願番号または特許協定条約国際出願番号を \_\_\_\_\_ とし、  
（該当する場合） \_\_\_\_\_ に訂正されました。

☐ was filed on \_\_\_\_\_  
as United States Application Number or  
PCT International Application Number  
\_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Page 1 of 1

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration  
(日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも一カ国を指定している特許協力条約365(a)項に基づき国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

Prior Foreign Application(s)

外国での先行出願  
2000-371058

JAPAN

06/12/2000

Priority Not Claimed

優先権主張なし

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願年月日)

☐

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願年月日)

☐

私は、第35編米国法典119条(e)項に基づいて下記の米国外特許出願規定に記載された権利をここに主張いたします。

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

私は、下記の米国法典第35編120条に基づいて下記の米国外特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づき権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国外特許出願に開示されていない限り、その先行米国外出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づき表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration  
(日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁護士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

書類送付先

Aaron B. KARAS, Reg. No. 18,923; Samson HELFGOTT, Reg. No. 23,072 and Leonard COOPER Reg. No. 27,625  
Send Correspondence to:

HELFGOTT & KARAS, P.C.  
Empire State Building, 60th Floor  
New York, New York 10118  
United States of America

直接電話連絡先: (名前及び電話番号)

Direct Telephone Calls to: (name and telephone number)

Helgott & Karas, P.C.  
(212) 643-5000

唯一または第一発明者名	Full name of sole or first inventor	Masami Kanasugi
発明者の署名	Inventor's signature	Masami Kanasugi
日付	Date	July 27, 2001
住所	Residence	Kawasaki, Japan
国籍	Citizenship	JAPAN
私書箱 c/o FUJITSU LIMITED	Post Office Address	1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan
第二共同発明者	Full name of second joint inventor, if any	Shoji Taniguchi
第二共同発明者	Second inventor's signature	Shoji Taniguchi
日付	Date	July 27, 2001
住所	Residence	Kawasaki, Japan
国籍	Citizenship	JAPAN
私書箱 c/o FUJITSU LIMITED	Post Office Address	1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(第三以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

第三共同発明者		Full name of third joint inventor, if any Koichi Kuroiwa	
第三共同発明者	日付	Third inventor's signature <i>Koichi Kuroiwa</i>	Date July 27, 2001
住 所		Residence Kawasaki, Japan	
国 籍		Citizenship JAPAN	
私書箱 c/o FUJITSU LIMITED 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan		Post Office Address	
第四共同発明者		Full name of fourth joint inventor, if any Mahiro Hikita	
第四共同発明者	日付	Fourth inventor's signature <i>Mahiro Hikita</i>	Date July 27, 2001
住 所		Residence Kawasaki, Japan	
国 籍		Citizenship JAPAN	
私書箱 c/o FUJITSU LIMITED 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan		Post Office Address	

第五共同発明者		Full name of fifth joint inventor, if any	
第五共同発明者	日付	Fifth inventor's signature	Date
住 所		Residence	
国 籍		Citizenship	
私書箱		Post Office Address	
第六共同発明者		Full name of sixth joint inventor, if any	
第六共同発明者	日付	Sixth inventor's signature	Date
住 所		Residence	
国 籍		Citizenship	
私書箱		Post Office Address	

(第七以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for seventh and subsequent joint inventors.)